

Product Datasheet

SCP1 Antibody [Biotin] NB300-229B

Unit Size: 0.1 ml

Store at 4C in the dark.

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NB300-229B

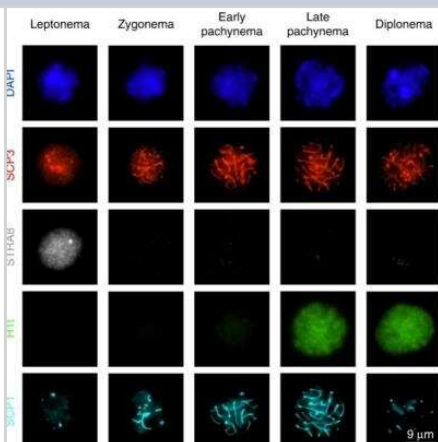
SCP1 Antibody [Biotin]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Conjugate	Biotin
Purity	Immunogen affinity purified
Buffer	PBS
Product Description	
Host	Rabbit
Gene ID	6847
Gene Symbol	SYCP1
Species	Mouse, Rat, Chicken, Mammal, Parasite, Monkey, Human (Negative)
Reactivity Notes	Mammal reactivity reported in scientific literature (PMID: 25981592). Parasite reactivity reported in scientific literature (PMID: 27084479). Chicken reactivity reported in scientific literature (PMID: 28174243). Use in Monkey reported in scientific literature (PMID: 31907447). This antibody has not been shown to have human reactivity.
Immunogen	A synthetic peptide made to the C-terminus of the mouse SCP1 protein sequence. [UniProt# Q62209]
Product Application Details	
Applications	Western Blot, Simple Western, Chromatin Immunoprecipitation, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot, Simple Western, Chromatin Immunoprecipitation, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Chromatin Immunoprecipitation (ChIP)
Application Notes	Optimal dilution of this antibody should be experimentally determined.

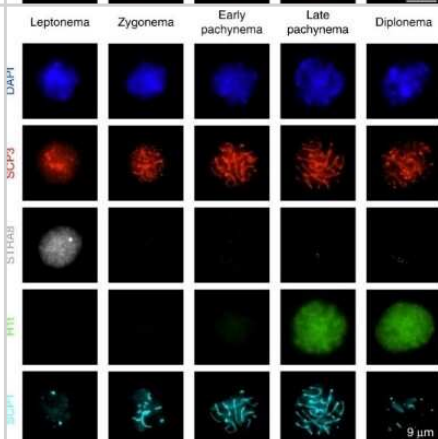


Images

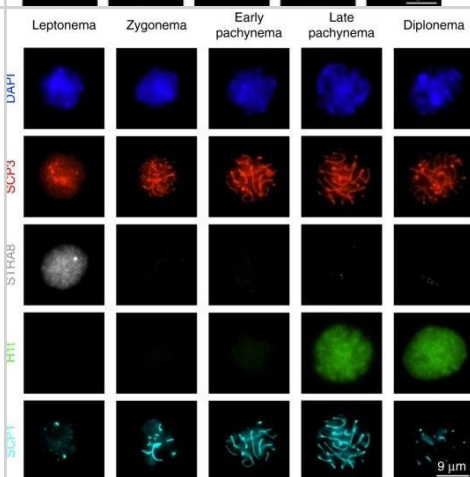
Immunocytochemistry/Immunofluorescence: SCP1 Antibody [Biotin] [NB300-229B] - Immunofluorescence staining of spermatocyte nuclei. Immunofluorescence images and signal quantification of stage-specific spermatocyte nuclei through meiosis prophase I. Details for signal quantification are described in Methods. Microscopic images are selected from two independent experiments in which two different combinations of primary antibodies are used; one using SCP3, H1t and SCP1, another one using SCP3 and STRA8. *Early and late pachytene nuclei cannot be unambiguously differentiated in the absence of H1t staining, and are therefore merged for counting and signal quantification. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41467-019-11820-7>), licensed under a CC-BY license.



Immunocytochemistry/Immunofluorescence: SCP1 Antibody [Biotin] [NB300-229B] - Immunofluorescence staining of spermatocyte nuclei. Immunofluorescence images and signal quantification of stage-specific spermatocyte nuclei through meiosis prophase I. Details for signal quantification are described in Methods. Microscopic images are selected from two independent experiments in which two different combinations of primary antibodies are used; one using SCP3, H1t and SCP1, another one using SCP3 and STRA8. *Early and late pachytene nuclei cannot be unambiguously differentiated in the absence of H1t staining, and are therefore merged for counting and signal quantification. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41467-019-11820-7>), licensed under a CC-BY license.



Immunocytochemistry/ Immunofluorescence: SCP1 Antibody [Biotin] [NB300-229B] - Immunofluorescence staining of spermatocyte nuclei. Immunofluorescence images & signal quantification of stage-specific spermatocyte nuclei through meiosis prophase I. Details for signal quantification are described in Methods. Microscopic images are selected from two independent experiments in which two different combinations of primary antibodies are used; one using SCP3, H1t & SCP1, another one using SCP3 & STRA8. *Early & late pachytene nuclei cannot be unambiguously differentiated in the absence of H1t staining, & are therefore merged for counting & signal quantification. Source data are provided as a Source Data file Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31444359>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Lam KG, Brick K, Cheng G et al Cell-type-specific genomics reveals histone modification dynamics in mammalian meiosis. Nat Commun. 2019-08-23 [PMID: 31444359] (ICC/IF, Mouse)

Details:

Citation using the Biotin version of this antibody.



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Products Related to NB300-229B

NBP2-29370	Streptavidin Native Protein
NBP2-24891B	Rabbit IgG Isotype Control [Biotin]
NB300-229G	SCP1 Antibody [DyLight 488]
NB300-229PEP	SCP1 Antibody Blocking Peptide

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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